840 Request for Quotation

Functional Group ID=RQ

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Request for Quotation Transaction Set (840) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BQT	Beginning Segment for Request for Quotation	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	>1		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
Not Used	080	FOB	F.O.B. Related Instructions	O	>1		
Not Used	090	CTP	Pricing Information	O	>1		
Not Used	095	PAM	Period Amount	O	10		
Not Used	110	CSH	Header Sale Condition	O	25		
Not Used	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DIS	Discount Detail	O	20		
Not Used	150	DTM	Date/Time Reference	O	10		
	160	LDT	Lead Time	O	12		
Not Used	180	LIN	Item Identification	O	5		n1
Not Used	190	PID	Product/Item Description	O	200		
Not Used	200	MEA	Measurements	O	40		
Not Used	210	PWK	Paperwork	O	25		
Not Used	220	PKG	Marking, Packaging, Loading	O	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	270	MAN	Marks and Numbers	O	10		
Not Used	280	RRA	Required Response	O	100		
			LOOP ID - N9			1000	
	290	N9	Reference Number	O	1		
	300	MSG	Message Text	O	1000		
			LOOP ID - N1			10000	
Not Used	310	N1	Name	O	1		
Not Used	320	N2	Additional Name Information	O	2		
Not Used	330	N3	Address Information	O	2		
Not Used	340	N4	Geographic Location	O	>1		
Not Used	350	REF	Reference Numbers	O	12		
Not Used	360	PER	Administrative Communications Contact	O	>1		
Not Used	370	FOB	F.O.B. Related Instructions	O	1		
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	400	TD3	Carrier Details (Equipment)	O	12		
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	420	PKG	Marking, Packaging, Loading	O	200		
Not Used	430	RRA	Required Response	O	25		
			LOOP ID - SPI			1	
Not Used	440	SPI	Specification Identifier	O	1		
Not Used	450	REF	Reference Numbers	O	5		
Not Used	460	DTM	Date/Time Reference	O	5		
Not Used	470	MSG	Message Text	O	50		
			LOOP ID - N1			20	
Not Used	490	N1	Name	O	1		
Not Used	500	N2	Additional Name Information	O	2		
Not Used	510	N3	Address Information	O	2		
Not Used	520	N4	Geographic Location	O	1		
Not Used	530	REF	Reference Numbers	O	20		
Not Used	540	G61	Contact	O	1		
Not Used	550	MSG	Message Text	O	50		
			LOOP ID - CB1			>1	
Not Used	560	CB1	Contract and Cost Accounting Standards Data	O	1		
Not Used	570	REF	Reference Numbers	O	20		
Not Used	580	DTM	Date/Time Reference	O	5		
Not Used	590	LDT	Lead Time	O	1		
Not Used	600	MSG	Message Text	O	50		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		
Not Used	020	CUR	Currency	O	1		
Not Used	025	CN1	Contract Information	O	1		
Not Used	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
Not Used	049	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
Not Used	070	PWK	Paperwork	O	25		
	080	PKG	Marking, Packaging, Loading	O	200		
Not Used	090	PO4	Item Physical Details	O	>1		
Not Used	095	REF	Reference Numbers	O	1		
	100	REF	Reference Numbers	O	>1		
Not Used	110	PER	Administrative Communications Contact	O	3		
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	140	IT8	Conditions of Sale	O	25		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	170	TAX	Tax Reference	O	3		
Not Used	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	50		
Not Used	200	DTM	Date/Time Reference	O	10		
Not Used	230	FST	Forecast Schedule	O	>1		
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	260	TD3	Carrier Details (Equipment)	O	12		
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		

Not Used	280	MAN	Marks and Numbers	O	10		
Not Used	290	RRA	Required Response	O	25		
Not Used	295	MSG	Message Text	O	1000		
Not Used	296	SPI	Specification Identifier	O	>1		
			LOOP ID - SCH			104	
Not Used	297	SCH	Line Item Schedule	O	1		n2
Not Used	298	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	299	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	300	TD3	Carrier Details (Equipment)	O	12		
Not Used	301	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
			LOOP ID - LDT			>1	
Not Used	302	LDT	Lead Time	O	1		
Not Used	303	QTY	Quantity	O	>1		
Not Used	304	MSG	Message Text	O	1		
			LOOP ID - LM			1	
Not Used	305	LM	Code Source Information	O	1		
Not Used	306	LQ	Industry Code	M	1		
			LOOP ID - SLN			1000	
Not Used	308	SLN	Subline Item Detail	O	1		
Not Used	310	PID	Product/Item Description	O	1000		
			LOOP ID - N9			1000	
Not Used	320	N9	Reference Number	O	1		
Not Used	330	MSG	Message Text	O	1000		
			LOOP ID - N1			3	
	335	N1	Name	O	1		
	337	N2	Additional Name Information	O	1		
	338	N3	Address Information	O	1		
	339	N4	Geographic Location	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	CTT	Transaction Totals	M	1		n3
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used, the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
3. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

	Segment:	**ST** **Transaction Set Header**
	Position:	010
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the start of a transaction set and to assign a control number
	Syntax Notes:	
	Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

	Segment:	**BQT** Beginning Segment for Request for Quotation
	Position:	020
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
	Syntax Notes:	**1** If either BQT04 or BQT05 is present, then the other is required.
	Semantic Notes:	**1** BQT03 is the date to be used for reference purposes in an RFQ and a reponse to RFQ.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	BQT01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
			01 Cancellation		
			04 Change		
			17 Cancel, to be Reissued		
			18 Reissued		
M	BQT02	586	**Request for Quote Reference Number**	M	AN 1/45
			Number assigned by the purchaser to identify his request for quote		
M	BQT03	373	**Date**	M	DT 6/6
			Date (YYMMDD)		
	BQT04	374	**Date/Time Qualifier**	X	ID 3/3
			Code specifying type of date or time, or both date and time		
			074 Requested for Delivery (Prior to and Including)		
	BQT05	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
X	BQT06	92	**Purchase Order Type Code**	O	ID 2/2
			Code specifying the type of Purchase Order		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	BQT07	960	**Request for Quote Type Code**	O	ID 2/2
			Code specifying the type of request for quote		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	BQT08	1166	**Contract Type Code**	O	ID 2/2
			Code identifying a contract type		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	BQT09	786	**Security Level Code**	O	ID 2/2
			Code indicating the level of confidentiality assigned by the sender to the information following		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	BQT10	1232	**Purchase Category**	O	ID 2/2
			Code identifying the broad category of products or services being acquired		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

Segment:		**REF** Reference Numbers			
Position:		050			
Loop:					
Level:		Heading			
Usage:		Optional			
Max Use:		>1			
Purpose:		To specify identifying numbers.			
Syntax Notes:		1 At least one of REF02 or REF03 is required.			
Semantic Notes:					
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Number Qualifier**	M	ID 2/2
			Code qualifying the Reference Number.		
			RQ Purchase Requisition No.		
	REF02	127	**Reference Number**	X	AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
X	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	**LDT** Lead Time			
Position:	160			
Loop:				
Level:	Heading			
Usage:	Optional			
Max Use:	12			
Purpose:	To specify lead time for availability of products and services			
Syntax Notes:				
Semantic Notes:	1 LDT04 is the effective date of lead time information.			
Comments:	1 LDT02 is the quantity of unit of time periods.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	LDT01	345	**Lead Time Code**	M	ID 2/2
			Code indicating the time range		
			AY From Date of Award to Date of Delivery		
M	LDT02	380	**Quantity**	M	R 1/15
			Numeric value of quantity		
M	LDT03	344	**Unit of Time Period or Interval**	M	ID 2/2
			Code indicating the time period or interval		
			DA Calendar Days		
	LDT04	373	**Date**	O	DT 6/6
			Date (YYMMDD)		

Segment:	**N9** Reference Number				

Segment: **N9** Reference Number
Position: 290
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes: 1   At least one of N902 or N903 is required.
                2   If N906 is present, then N905 is required.
Semantic Notes: 1   N906 reflects the time zone which the time reflects.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Number Qualifier**	M	**ID 2/2**
			Code qualifying the Reference Number.		
			KD Special Instructions Number		
X	N902	127	**Reference Number**	X	**AN 1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
	N903	369	**Free-form Description**	X	**AN 1/45**
			Free-form descriptive text		
			"REMARKS" will be hardcoded in this element.		
			REMARKS		
X	N904	373	**Date**	O	**DT 6/6**
			Date (YYMMDD)		
X	N905	337	**Time**	X	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	N906	623	**Time Code**	O	**ID 2/2**
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003050 Data Element Dictionary for acceptable code values.		

Segment:	**MSG** Message Text				
Position:	300				
Loop:	N9	Optional			
Level:	Heading				
Usage:	Optional				
Max Use:	1000				
Purpose:	To provide a free form format that would allow the transmission of text information.				
Syntax Notes:					
Semantic Notes:					
Comments:	1	MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	MSG01	933	**Free-Form Message Text**	M	AN 1/264
			Free-form message text		
X	MSG02	934	**Printer Carriage Control Code**	O	ID 2/2
			A field to be used for the control of the line feed of the receiving printer		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

Segment: # PO1 Baseline Item Data

Position:	010
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data

Syntax Notes:
1. If PO103 is present, then PO102 is required.
2. If PO105 is present, then PO104 is required.
3. If either PO106 or PO107 is present, then the other is required.
4. If either PO108 or PO109 is present, then the other is required.
5. If either PO110 or PO111 is present, then the other is required.
6. If either PO112 or PO113 is present, then the other is required.
7. If either PO114 or PO115 is present, then the other is required.
8. If either PO116 or PO117 is present, then the other is required.
9. If either PO118 or PO119 is present, then the other is required.
10. If either PO120 or PO121 is present, then the other is required.
11. If either PO122 or PO123 is present, then the other is required.
12. If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:
1. See the Data Dictionary for a complete list of ID's.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	PO101	350	**Assigned Identification**	O	AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set		
			000100		
	PO102	330	**Quantity Ordered**	X	R 1/9
			Quantity ordered		
	PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
X	PO104	212	**Unit Price**	X	R 1/17
			Price per unit of product, service, commodity, etc.		
X	PO105	639	**Basis of Unit Price Code**	O	ID 2/2
			Code identifying the type of unit price for an item		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			FS National Stock Number		
			MG Manufacturer's Part Number		
	PO107	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
X	PO108	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO109	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
X	PO110	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

X	PO111	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO112	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO113	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO114	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO115	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO116	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO117	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO118	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO119	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO120	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO121	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO122	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO123	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
X	PO124	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PO125	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		

Segment:	**PID** Product/Item Description			
Position:	050			
Loop:	PID	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To describe a product or process in coded or free-form format			

Segment: **PID** Product/Item Description
Position: 050
Loop: PID   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID03 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A ``Y'' indicates that the specified attribute applies to this item. A ``N'' indicates it does not apply. Any other value is indeterminate.

Comments:
1. If PID01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04 is used. If PID01 = ``X'', then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			F Free-form		
X	PID02	750	**Product/Process Characteristic Code**	O	ID 2/3
			Code identifying the general class of a product or process characteristic		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
	PID05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			Note: There may me up to 200 lines of descriptive data, 70 characters per line.		
X	PID06	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
X	PID08	1073	**Yes/No Condition or Response Code**	O	ID 1/1
			Code indicating a Yes or No condition or response		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

Segment:	**PKG** Marking, Packaging, Loading
Position:	080
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements

Syntax Notes:	1	At least one of PKG04 PKG05 or PKG06 is required.
	2	If PKG04 is present, then PKG03 is required.
	3	If PKG05 is present, then PKG01 is required.
Semantic Notes:	1	PKG04 should be used for industry-specific packaging description codes.
Comments:	1	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	If PKG01 = ``F'', then PKG05 is used. If PKG01 = ``S'', then PKG04 is used. If PKG01 = ``X'', then both PKG04 and PKG05 are used.
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.
	4	Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	PKG01	349	**Item Description Type**	X	ID 1/1
			Code indicating the format of a description		
			F Free-form		
X	PKG02	753	**Packaging Characteristic Code**	O	ID 1/5
			Code specifying the marking, packaging, loading and related characteristics being described		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PKG03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	PKG04	754	**Packaging Description Code**	X	AN 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product		
	PKG05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			Note: There may be up to 100 lines of packaging data, 70 characters per line.		
X	PKG06	400	**Unit Load Option Code**	X	ID 2/2
			Code identifying loading or unloading a shipment		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

	Segment:	**REF** Reference Numbers		
	Position:	100		
	Loop:	PO1	Mandatory	
	Level:	Detail		
	Usage:	Optional		
	Max Use:	>1		
	Purpose:	To specify identifying numbers.		
	Syntax Notes:	1	At least one of REF02 or REF03 is required.	
	Semantic Notes:			
	Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Number Qualifier**	M ID 2/2
			Code qualifying the Reference Number.	
			PH Priority Rating	
			XE Transportation Priority Number	
			Number indicating the level of government priority associated with the transportation of a shipment	
	REF02	127	**Reference Number**	X AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
X	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment:		# N1 Name			
Position:		335			
Loop:		N1	Optional		
Level:		Detail			
Usage:		Optional			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		1	At least one of N102 or N103 is required.		
		2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:					
Comments:		1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2	N105 and N106 further define the type of entity in N101.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			31 Postal Mailing Address		
			ST Ship To		
			Z7 Mark-for Party		
			The party for whom the needed material is intended		
	N102	93	**Name**	X	AN 1/35
			Free-form name		
X	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	N104	67	**Identification Code**	X	AN 2/20
			Code identifying a party or other code		
X	N105	706	**Entity Relationship Code**	O	ID 2/2
			Code describing entity relationship		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	N106	98	**Entity Identifier Code**	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

Segment:	**N2** Additional Name Information
Position:	337
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	**Name**	**M AN 1/35**
			Free-form name	
	N202	93	**Name**	**O AN 1/35**
			Free-form name	

			Segment:	**N3** Address Information

Segment: **N3** Address Information
Position: 338
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N301**	**166**	**Address Information** Address information	**M**	**AN 1/35**
	N302	**166**	**Address Information** Address information	**O**	**AN 1/35**

			Segment:	**N4** Geographic Location

Segment: **N4** Geographic Location
Position: 339
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	N401	**19**	**City Name**	**O**	**AN 2/30**
			Free-form text for city name		
	N402	**156**	**State or Province Code**	**O**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
	N403	**116**	**Postal Code**	**O**	**ID 3/11**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
X	**N404**	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
X	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Code identifying type of location		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**
			Code which identifies a specific location		

Segment:		**CTT** Transaction Totals			
Position:		010			
Loop:					
Level:		Summary			
Usage:		Mandatory			
Max Use:		1			
Purpose:		To transmit a hash total for a specific element in the transaction set			
Syntax Notes:		1	If either CTT03 or CTT04 is present, then the other is required.		
		2	If either CTT05 or CTT06 is present, then the other is required.		
Semantic Notes:					
Comments:		1	This segment is intended to provide hash totals to validate transaction completeness and correctness.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
X	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.		
			Example:		
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
X	CTT03	81	**Weight**	X	R 1/10
			Numeric value of weight		
X	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	CTT05	183	**Volume**	X	R 1/8
			Value of volumetric measure		
X	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
X	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:		**SE** Transaction Set Trailer			
Position:		020			
Loop:					
Level:		Summary			
Usage:		Mandatory			
Max Use:		1			
Purpose:		To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).			
Syntax Notes:					
Semantic Notes:					
Comments:		1	SE is the last segment of each transaction set.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		